

Stephen J. Walsh
Aquatic Biologist

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EDUCATION

1990 Ph.D., Zoology, University of Florida
1982 M.A., Zoology, Southern Illinois University at Carbondale
1979 B.A., Biology, Saint Louis University, *magna cum laude*

RESEARCH INTERESTS

Conservation biology of aquatic organisms; ecology and environmental physiology of fishes and aquatic invertebrates; evolution, systematics, and zoogeography of temperate and tropical freshwater, estuarine, and inshore marine fishes; reproductive biology and physiology of lower vertebrates, especially teleost fishes; life-history strategies.

PROFESSIONAL EXPERIENCE

1996 - present **Research Fishery Biologist**, U.S. Geological Survey
1993 - 1996 **Research Fishery Biologist**, National Biological Survey
1990 - 1993 **Research Fishery Biologist**, U.S. Fish and Wildlife Service
1986 - 1990 **Biological Scientist**, Florida Museum of Natural History

PROFESSIONAL ORGANIZATIONS

American Fisheries Society (Aquatics Nongame Committee, 1999-present); American Institute of Biological Sciences; American Society of Ichthyologists & Herpetologists (Ichthyological Information Coordinator, 1992-1998; Storer Judge 1993; Chair, Raney Award Committee 1994-1995; Environmental Quality Committee, 1997-present); Association of Southeastern Biologists; Biological Society of Washington; Florida Academy of Sciences; Neotropical Ichthyological Association; Sigma Xi; Society for Conservation Biology; Southeastern Fishes Council (Chair, 1995-1997; Technical Advisory Committee, 1997-present). Other activities: Robust Redhorse Conservation Committee (1992-present); Judge, Eugene P. Odum award, Southeastern Division of Ecological Society of America (1997).

AWARDS & HONORS

Dean's List, St. Louis University (1975-1979); Beta Beta Beta National Honor Society (1978); Graduate Dean's fellowship, Southern Illinois University (1979-1980); Sigma Xi, associate membership (1981); Richard E. Blackwelder Award in Zoology, Southern Illinois University (1982); Raney Award, American Society of Ichthyologists & Herpetologists (1985); Graduate Dean's Dissertation Fellowship, University of Florida (1985); Sigma Xi, full membership (1990); Special Achievement Award, National Biological Service (1994); Quality Performance Award, National Biological Service (1994); Star Award, U.S. Geological Survey (1999).

CONTRACTS & GRANTS

Served as Principal Investigator, Co-Principal Investigator, and biologist on grants from federal and state agencies (USGS National Water-Quality Assessment Program, U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, National Science Foundation, Florida Department of Environmental Regulation, Florida Sea Grant, National Marine Fisheries Service, National Underwater Research Program).

ACADEMIC AFFILIATIONS

Florida Museum of Natural History (Courtesy Associate Curator in Ichthyology, 1992-present); University of Florida, Department of Zoology (Courtesy Assistant Professor, 1996-present). Served on 4 Ph.D. and 2 M.S. graduate student committees (University of Florida; University of Southern Mississippi; Southern Illinois University).

RECENT PUBLICATIONS & REPORTS

Walsh, S.J., L.J. Chapman, A.E. Rosenberger, and C.A. Chapman. 2000. Redescription of *Amphilius jacksonii* (Siluriformes: Amphiliidae) with Habitat and Life-History Notes. *Ichthyological Exploration of Freshwaters*, 11(2):163-174.

Warren, M.L., Jr., B.M. Burr, **S.J. Walsh**, H.L. Bart, Jr., R.C. Cashner, D.A. Etnier, B.J. Freeman, B.R. Kuhajda, R.L. Mayden, H.W. Robison, S.T. Ross, and W.C. Starnes. 2000. Diversity, Distribution, and Conservation Status of the Native Freshwater Fishes of the Southern United States. *Fisheries*, 25(10):7-29.

Walsh, S.J. 2001. Freshwater Macrofauna in Florida Karst Habitats. In: Kuniansky, E. (ed.). U.S. Geological Survey Karst Interest Group Proceedings, St. Petersburg, Florida, February 13-16, 2001. Pp. 78-88. USGS Water-Resources Investigations Report 01-4011. [<PDF format 497 kb>](#)

Biggins, R., N.M. Burkhead, **S.J. Walsh**, V. Mudrak, and K. Bibb. 2000. Strategy for the Conservation and Recovery of Southeastern Imperiled Fishes. Proceedings of a workshop held by a Southeastern Imperiled Fishes Working Group, 26-28 October 1999, Chattanooga, Tennessee, organized by U.S. Fish and Wildlife Service.

Walsh, S.J. 2000. Conservation of Aquatic Karst Biotas: Shedding Light on Troubled Waters, p. 106-108 in R.A. Abell et al. (eds.), *Freshwater Ecoregions of North America: a Conservation Assessment*. World Wildlife Fund and Island Press, Washington, D.C., 319 p.

Walsh, S.J. 1999. [review of] Bardach, J.E. (ed.), *Sustainable Aquaculture*, John Wiley & Sons, Inc. *Quarterly Review of Biology* 74(3):359.

Walsh, S.J., D.C. Haney, C.M. Timmerman, and R.M. Dorazio. 1998. Physiological Tolerances of Juvenile Robust Redhorse, *Moxostoma robustum*: Conservation Implications for an Imperiled Species. *Environmental Biology of Fishes* 51:429-444.

Walsh, S.J. and M.R. Meador. 1998. Guidelines for Quality Assurance/Quality Control of Fish Taxonomic Data Collected as Part of the National Water-Quality Assessment Program. USGS Water-Resources Investigations Report 98-4239:1-33. [<PDF format 634 kb>](#)

Walsh, S.J. 1998. [review of] Mettee, M.F., P.E. O'Neil, and J.M. Pierson. 1996. *Fishes of Alabama and the Mobile Basin*, Oxmoor House, Inc. *Fisheries* 23(3):38-39.